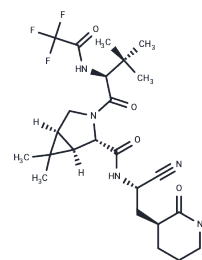


GRL-190-21

## Chemical Properties

CAS No. : 2755957-14-1  
 Formula: C<sub>24</sub>H<sub>34</sub>F<sub>3</sub>N<sub>5</sub>O<sub>4</sub>  
 Molecular Weight: 513.55  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	GRL-190-21 (compound 5e), an inhibitor of SARS-Cov-2-Mpro, shows potent antiviral activity, with a K <sub>i</sub> of 0.04 nM and an EC <sub>50</sub> of 0.26 μM in VeroE6 cells. It significantly reduces the infectivity, replication, and cytopathic effect of SARS-CoV-2 without notable toxicity [1].
Targets(IC50)	SARS-CoV

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9472 mL	9.7362 mL	19.4723 mL
5 mM	0.3894 mL	1.9472 mL	3.8945 mL
10 mM	0.1947 mL	0.9736 mL	1.9472 mL
50 mM	0.0389 mL	0.1947 mL	0.3894 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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